

JC10 Rec'd PCT/PTO 22 JUN 2005

U. S. PATENT AND TRADEMARK OFFICE
U. S. DEPARTMENT OF COMMERCE

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

ITR0046YP

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/540449

INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE
PCT/GB2003/005536 December 18, 2003

PRIORITY DATE CLAIMED
December 27, 2002

TITLE OF INVENTION

N-SUBSTITUTED HYDROXYPYRIMIDINONE CARBOXAMIDE INHIBITORS OF HIV INTEGRASE

APPLICANT(S) FOR DO/EO/US

Benedetta Crescenzi, Olaf Kinzel, Ester Muraglia, Federica Orvieto, Giovanna Pescatore, Michael Rowley and Vincenzo Summa

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures [35 U.S.C. 371(f)]. The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (PCT Article 31).
5. A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)].
 - a. is attached hereto
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)].
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

Items 11 to 20 below concern other document(s) or information included:

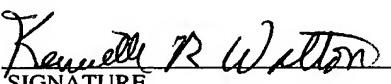
11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. A second copy of the published International Application under 35 U.S.C.154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C.154(d)(4).
20. Other items or information:
 1. International Search Report
 2. International Preliminary Examination Report

DATE OF DEPOIMENT JUNE 22, 2005
EXPRESS MAIL NO. E1461340990US
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS
BEING DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS EXPRESS MAIL POST OFFICE TO ADDRESSEE
ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO

COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VIRGINIA 22313-1450

Computer generated form "Transmitter (DO/EO/US)" - PTO-1390, 2/09/2005

JC09 Rec'd PCT/PTO 22 JUN 2005

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER	
10/540449		PCT/GB2003/005536	ITR0046YP	
The following fees are submitted: 21. <input checked="" type="checkbox"/> Basic national fee..... \$300 22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200 23. <input checked="" type="checkbox"/> Search fee Search fee [37 CFR 1.445(a)(2)] has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				
TOTAL OF 21, 22 and 23=				
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
111 - 100 =	11 /50	0.22 = 1	X \$250.00	\$250.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 CFR 1.492(e)].				
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	15 - 20 =	0	X \$50.00	\$0.00
Independent Claims	1 - 3 =	0	X \$200.00	\$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	
TOTAL OF ABOVE CALCULATIONS (SUBTOTAL)			=	\$1,150.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				
TOTAL NATIONAL FEE = \$1,150.00				
Fee for recording the enclosed assignment [37 CFR 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				
TOTAL FEES ENCLOSED = \$1,150.00				
Amount to be refunded: Amount to be charged:				
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-2755</u> in the amount of <u>\$1,150.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to the Deposit Account No. <u>13-2755</u> . A duplicate copy of this sheet is enclosed.				
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must be filed and granted to restore the International Application to pending status.				
SEND ALL CORRESPONDENCE TO:				
Customer No. <u>000210</u> MERCK & CO., INC. Patent Department, RY60-30 P.O. Box 2000 126 East Lincoln Avenue Rahway, New Jersey 07065-0970				
 SIGNATURE <u>Kenneth R. Walton</u>				
<u>Kenneth R. Walton</u> NAME <u>32,951</u> REGISTRATION NUMBER				
DATE: <u>June 22, 2005</u> PHONE #: <u>(732) 594-3462</u>				